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Relevance scale ☐ ☐ ☐ ☐ ☐ ☐1 [Workshop on compositional software architectures: workshop report](#)May 1998 **ACM SIGSOFT Software Engineering Notes**, Volume 23 Issue 3**Publisher:** ACM PressFull text available: pdf(2.91 MB) Additional Information: [full citation](#), [index terms](#)2 [Help design challenges in network computing](#)

Ben Gelernter

September 1998 **Proceedings of the 16th annual international conference on Computer documentation SIGDOC '98****Publisher:** ACM PressFull text available: pdf(1.12 MB) Additional Information: [full citation](#), [references](#), [index terms](#)**Keywords:** documentation, help, information architecture, network computing, network computing architecture, online help, thin clients, user assistance3 [A storage system for complex objects](#)

U. Deppisch, H.-B. Paul, H.-J. Schek

September 1986 **Proceedings on the 1986 international workshop on Object-oriented database systems OODS '86****Publisher:** IEEE Computer Society PressFull text available: pdf(1.17 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Complex objects are required in many new applications of databases. A common characteristic feature is that objects use other (sub-) objects for their description. Consequently retrieval or extraction of complex objects may include some or all of their subobjects which - in turn - may have subobjects to be extracted too. Accordingly a storage system is described which was designed and implemented with the objective to provide this set orientation: Relations with relation-valued attr ...

4

[Discovering Internet marketing intelligence through online analytical web usage](#)



mining

Alex G. Büchner, Maurice D. Mulvenna
December 1998 **ACM SIGMOD Record**, Volume 27 Issue 4

Publisher: ACM Press

Full text available: [pdf\(772.06 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This article describes a novel way of combining data mining techniques on Internet data in order to discover actionable marketing intelligence in electronic commerce scenarios. The data that is considered not only covers various types of server and web meta information, but also marketing data and knowledge. Furthermore, heterogeneity resolution thereof and Internet- and electronic commerce-specific pre-processing activities are embedded. A generic web log data hypercube is formally defined ...

5 Navigating in information spaces: Rapid-fire image previews for information



navigation

Kent Wittenburg, Wissam Ali-Ahmad, Daniel LaLiberte, Tom Lanning
May 1998 **Proceedings of the working conference on Advanced visual interfaces AVI '98**

Publisher: ACM Press

Full text available: [pdf\(3.94 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

In this paper we consider the role of rapid-fire presentation of images in the service of navigation in information spaces. We presume a model of information navigation in which the user performs a cycle of (pre)viewing, selecting, and moving. Our hypothesis is that images presented to the user in rapid succession can significantly enhance the previewing step, thus optimizing the selection step and improving navigability. We discuss two prototypes for navigation tools in Web information spaces i ...

Keywords: images, information navigation, previewing, visualization

6 Design principles for data-intensive Web sites



Stefano Ceri, Piero Fraternali, Stefano Paraboschi
March 1999 **ACM SIGMOD Record**, Volume 28 Issue 1

Publisher: ACM Press

Full text available: [pdf\(716.61 KB\)](#) Additional Information: [full citation](#), [citations](#), [index terms](#)

7 Hypertext information retrieval for the Web



Eric W. Brown, Alan F. Smeaton
September 1998 **ACM SIGIR Forum**, Volume 32 Issue 2

Publisher: ACM Press

Full text available: [pdf\(464.17 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The notion of searching a hypertext corpus has been around for some time, and is an especially important topic given the growth of the World Wide Web and the general dissatisfaction users have with the tools currently available for finding information on the Web. In response to this, a workshop was held as part of SIGIR'98 on *Hypertext Information Retrieval for the Web* and this document presents a brief summary of the papers presented at that workshop, along with a set of themes identified ...

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All Results

T Ohashi

Service processor control system and computer-readable recording medium recording service processor ... - all 3 versions »

T Ohashi - US Patent 6,993,565, 2006 - Google Patents

... DESCRIBE IN XML SC5 ... the manufacture of apparatuses/units, various codes relating to **firmware** and documents relating to **firmware** and **hardware** are generated ...

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Document managing control system and computer-readable recording medium to record document managing ... - all 3 versions »

T Ohashi - US Patent 6,983,302, 2006 - Google Patents

... a manufacturer server for storing a component information with respect to a wholeness of a **hardware** and a **firmware** for composing a ... DISPLAY ON XML BROWSER ...

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Method and system for retrieving information, and computer product - all 3 versions »

T Ohashi - 2002 - freepatentsonline.com

... to generate an abstract of the text and the XML format. ... independently registers design/manufacturing information relating to the **hardware** and **firmware** of a ...

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Method of and apparatus for multimedia processing, and computer product

T Ohashi - 2004 - freepatentsonline.com

... Inventors: **Ohashi**, Tadashi ... The name information is ruled as an XML (extensible markup ...

network ontology generation to any name of **hardware**, **firmware**, and software ...

[Cached](#) - [Web Search](#)

Method for managing a parking lot - all 6 versions »

MN Haynes, PE Haynes - US Patent 7,123,166, 2006 - Google Patents

... any well-known presentation proto-col, including SGML, HTML, and/or XML. ... ASIC) which

has been designed to implement in its **hardware** and/or **firmware** at least ...

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Aibo and Webots: Simulation, wireless remote control and controller transfer - all 2 versions »

L Hohl, R Tellez, O Michel, AJ Ijspeert - Robotics and Autonomous Systems, 2006 - Elsevier

... the robot independently of the underlying **firmware** and as ... the Webots requests to the robot's **hardware**. ... 3D robot simulator that relies on an XML description ...

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Methods and systems for providing and displaying information on a keyboard - all 5 versions »

SF Katz - US Patent 6,834,294, 2004 - Google Patents

... Kauffert Jaeger **Ohashi** e Kim D'Souza ... IB illustrates an exemplary keyboard **hardware** architecture which may be used with one embodiment of the present invention ...

Set	Items	Postings	Description
S1	86942	282254	S HARDWARE OR HARD()WARE?
S2	1114586	5261394	S (APPARATUS? OR DEVICE? OR COMPONENT? OR EQUIPMENT? OR PERIPHERAL?) (3N) (COMPUTING OR ELECTRONIC?() INFORMATION?) OR COMPUTER? OR MICROPROCESSOR? OR DATAPROCESSOR? OR CENTRALPROCESSOR?
S3	683874	1715652	S CPU? ? OR (DATA OR MICRO OR CENTRAL)() PROCESSOR? OR MINICOMPUTER? OR MICROCOMPUTER?
S4	139144	666098	S FIRMWARE? OR FLASH?() (MEMOR? OR DRIVE?) OR ROM OR PROM OR EPROM OR EEPROM OR FOTA OR FIRM()WARE?
S5	1702	9227	S (HARD OR EMBED? OR RESIDENT? OR DEDICATED? OR PREINSTALL? OR ONBOARD? OR INTEGRATED)() (SOFTWARE? OR OS OR OPERAT?() SYSTEM?)
S6	3746	41600	S OPROM OR OPTIONROM OR PLUG(2W)PLAY()BIOS OR BIOS()BOOT()SPECIFICAT? OR BIOS OR BASIC()INPUT()OUTPUT()SYSTEM? OR INTEGRAT?()OPERAT?()SYSTEM?
S7	6302	42239	S TFTP OR TRIVIAL()FILE()TRANSFER()PROTOCOL OR LIGHT?(2W)FTP OR FCODE OR PCI()CARD? OR PCICARD? OR MOTHERBOARD? OR (ADAPTER? OR SCSI OR RAID)()CARD? ?
S8	5978	56054	S EXTENSIBLE?(3W)INTERFACE(5N) (EFI OR IBM OR INTEL) OR PCBIOS OR SMBIOS OR ACPI OR SPARC OR DEVICE()DRIVER?
S9	71918	854460	S S1:S3 AND S4:S8
S10	47836	359215	S STORE? OR STORAG? OR ARCHIV? OR RECORD??? OR STORING OR SAVE? OR SAVING? OR CATALOG?
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S12	5488	41328	S SERVER? OR DATABASE? OR DATA()BASE? OR HARDDRIVE? OR HARD()DRIVE?
S13	6890	38738	S TRACK? OR AUDIT? OR COMPIL? OR MONITOR? OR TABULAT? OR CHECK()LIST? ? OR CHECKLIST?
S14	56485	648535	S INFO OR INFORMATION OR DATA OR SPECIFICATION? OR CHARACTERISTIC? OR ATTRIBUT? OR TRAIT? OR METADATA? OR METAINFO?
S15	28455	61904	S DATUM OR SPEC OR SPECS OR DETAILS OR DESCRIPTION? OR STATISTIC? OR DESCRIPTOR? OR PROFIL? OR MANIFEST?
S16	1440	5182	S CHRONICL? OR SUMMAR? OR SUMMATION? OR RECAP? OR RECOUNT? OR HISTOR? OR FACT? ? OR REPORT? ? OR COMPENDI?
S17	18005	107731	S VARIET? OR PLURAL? OR MULTIPLE? OR MULTIPLICIT? OR MULTITUD? OR SEVERAL? OR FAMILY?
S18	12205	99786	S COLLECTION? OR ARRAY? OR ASSEMBLAG? OR ENSEMBL? OR NETWORK? OR CONSTELLATION? OR GROUP?
S19	30415	74937	S DESIGN? OR CREATION? OR BRAINSTORM? OR BLUEPRINT? OR DRAWING? OR DRAFT??? OR ILLUSTRAT? OR TEMPLATE?
S20	1427	3901	S DEVELOPMENT? OR EVOLUTION? OR TIMELINE? OR TIME()LINE? OR TIME() (SPECTRUM? OR GRAPH?)
S21	6485	25324	S MANUFACTUR? OR PRODUCTION? OR FABRICAT? OR PRODUCING? OR CONSTRUCTION? OR MASSPRODUC?
S22	1944	7976	S INSPECTION? OR SEAL(2W)APPROVAL? OR MAINTENANC? OR QUALITY()CONTROL? OR REPAIR? OR RECONDITION?
S23	103	372	S CONTRACT? ? OR CONTRACTUAL? OR (LEGAL OR BINDING? OR SALES OR LEASE? OR LEASING? OR RENTAL OR MAINTENANC?)()AGREEMENT?
S24	7909	35786	S COMMON OR SYNCHRON? OR SHARED OR RELATED? OR CHILD?(5N)PARENT? OR SIMPATICO?
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S27	82	823	S XML OR (EXTEND? OR EXTENS? OR XTENS? OR XTEND?)() (MARKUP OR MARK()UP OR LANGUAGE?)
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S55	405	113743	S S54 AND S1:S3 (7N) S4:S8 AND S10:S13 (7N) S14:S16 AND S10:S16 (7N) S1:S8
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S58	5	1171	S S57 AND S27
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S60	167	33987	S S30:S32 OR S45 OR S47:S51 OR S58:S59
S61	50	15333	S S60 AND AY=1970:1999
S62	44	8992	S S60 NOT AY=2000:2007
S63	355	109190	S S55:S56 AND S10:S13 (7N) (S1:S3 AND S4:S8)
S64	321	97070	S S63 NOT S60
S65	276	87737	S S64 AND S10:S13 (5N) S14:S16 AND S14:S16 (7N) (S1:S3 AND S4:S8)
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S69	208	71140	S S61:S62 OR S67:S68
S70	208	52191	IDPAT (sorted in duplicate/non-duplicate order)
S71	208	52191	IDPAT (primary/non-duplicate records only)

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0009377832 *Drawing available*
WPI Acc no: 1999-312373/199926
XRPX Acc No: N1999-233307

Computer connected devices identification and control method

Patent Assignee: MICROSOFT CORP (MICR-N)

Inventor: RENERIS K S

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5903894	A	19990511	US 1997810019	A	19970303	199926	B

Priority Applications (no., kind, date): US 1997810019 A 19970303

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5903894	A	EN	32	14	

Alerting Abstract US A

NOVELTY - The relative positions of the two device objects within the **hierarchical data structure** represents physical connection between the two devices. The **hierarchical data structure** is referred while controlling two devices.

DESCRIPTION - A device object which is stored within hierarchical data structure, identifies the corresponding device. Another device object positioned below the previous device object positioned below the previous device object within the hierarchical data structure, identifies that corresponding device. INDEPENDENT CLAIMS are also included for the following:

- A. a **computer** system to dynamically expand hierarchical data structure;
- B. a **computer readable media** to **store computer program** for controlling device **within computer** system;
- C. a controllable device power **shut-down** method in **computer** system

USE - For identifying and controlling **computer hardware** devices and to represent physical I/O connections **between them**.

ADVANTAGE - Provides extensible and abstract techniques of controlling the devices executable by operating system or any other software module such as **BIOS** routine.

DESCRIPTION OF **DRAWINGS** - The figure shows block diagram of **computer system**.

Title Terms /Index Terms/Additional Words: COMPUTER; CONNECT; DEVICE; IDENTIFY; CONTROL ; METHOD

Class Codes

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
G06F-017/30			Main		"Version 7"

US Classification, Issued: 707100000, 707103000, 395284000, 395828000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): **T01-H05A; T01-J05B2B**

Alerting Abstract ...NOVELTY - The relative positions of the two device objects within the **hierarchical data structure** represents physical connection between the two devices. The **hierarchical data structure** is referred while controlling two devices. ... a **computer system** to dynamically expand hierarchical data structure; a **computer readable media** to **store computer program** for controlling device **within computer system**; a controllable device power **shut-down method** in **computer system USE** - For identifying and controlling **computer hardware** devices and to represent physical I/O connections **between them....** ...
ADVANTAGE - Provides extensible and abstract techniques of controlling the devices executable by operating system or any other software module such as **BIOS routine**.
DESCRIPTION OF DRAWINGS - The figure shows block diagram of **computer system**.
Class Codes Manual Codes (EPI/S-X): T01-H05A... T01-J05B2B
Original Publication Data by AuthorityOriginal Abstracts:A **hierarchical data structure** is **created in dynamic** memory that is dynamically expanded or modified during run-time operations of the **computer system**. **Information** about the devices is loaded from a definition block into the **hierarchical data structure**. The **information** is a **byte stream** of data that is translated and stored as hierarchical information, such as device objects, data objects, and control method objects. These objects are hierarchically nested within the **hierarchical data structure**. A **device object** identifies a corresponding device in the **computer system**. The **hierarchy** formed between device objects represents the **hierarchical I/O connections within the computer system**. A **data object** identifies configuration and hardware dependency **information** associated with a **corresponding** device. A control method object is an executable reference for controlling a corresponding device. The control method object is a sequence of pseudocode instructions interpreted by the operating system providing an abstract, extensible, and portable mechanism for precise control of a device without calling routines from the **BIOS**. The **hierarchical data structure** is **preferably used by the operating system** as a communication tool and reference to identify devices, to identify configuration and power management information about devices, to provide an executable control mechanism that...
Claims:A **computer-implemented process** for **creating** and using a **hierarchical data structure** to **identify** and control a **plurality of devices** connected to the **computer** including a first device physically connected to the **computer** and a second device physically connected to the first device, comprising the steps of:**storing** a first device **object** within the **hierarchical data structure**, the first **device object** identifying the first device; and**storing** a second device object positioned **below** the first device object within the **hierarchical data structure**, the second device **object** identifying the second device;the relative positions of first and second device objects within the **hierarchical data structure** representing the physical

connection between **the first and second devices**; and referring to the **hierarchical data structure** when controlling the first and second devices.